

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Canceled)
2. (Currently amended) The method for performing a medical procedure on an eye having an iris of Claim 30 [[1]], further comprising:
 - (a) obtaining selecting first and second iris biometric images; and
 - (b) comparing said first and second iris biometric images to provide a biometric comparison result.
3. (Previously presented) The method for performing a medical procedure on an eye having an iris of Claim 2, further comprising identifying an eye in accordance with said biometric comparison result.
4. (Previously presented) The method for performing a medical procedure on an eye having an iris of Claim 2, wherein said eye has at least one feature and said feature is represented within at least one of said first and second biometric images.
5. (Previously presented) The method for performing a medical procedure on an eye having an iris of Claim 4, further comprising identifying an iris in accordance with said at least one feature.
6. (Previously presented) The method for performing a medical procedure on an eye having an iris of Claim 5, further comprising performing said medical procedure in accordance with said identifying.
7. (Previously presented) The method for performing a medical procedure on an eye having an iris of Claim 5, further comprising determining a location of said iris in accordance with said at least one feature.

8. (Previously presented) The method for performing a medical procedure on an eye having an iris of Claim 5, further comprising determining an orientation of said iris in accordance with said at least one feature.
9. (Previously presented) The method for performing a medical procedure on an eye having an iris of Claim 5, further comprising determining a translation of said iris in accordance with at least one said feature.
10. (Previously presented) The method for performing a medical procedure on an eye having an iris of Claim 5, further comprising altering a relative location of said iris in accordance with said at least one feature.
11. (Currently amended) The method for performing a medical procedure on an eye having an iris of Claim 4, further comprising directing a light beam at said eye in accordance with said at least one feature.
12. (Previously presented) The method for performing a medical procedure on an eye having an iris of Claim 2, further comprising optimizing at least one of said first and second iris biometric images to provide an optimized image.
13. (Previously presented) The method for performing a medical procedure on an eye having an iris of Claim 12, further comprising providing said optimized image in accordance with an image quality metric.
14. (Previously presented) The method for performing a medical procedure on an eye having an iris of Claim 13, wherein said eye has a selected feature and said method further comprises providing said optimized image to emphasize a visualization of said selected feature of said eye.
15. (Currently amended) The method for performing a procedure on an eye having an iris of Claim 12, further comprising performing said comparison of said first and second iris biometric images for identifying a person within a security verification.

16. (Currently amended) The method for performing a medical procedure on an eye having an iris of Claim 30 ~~[[1]]~~, further comprising altering said eye by performing a surgical procedure in accordance with an image of said plurality of said iris biometric images.
17. (Currently amended) The method for performing a medical procedure on an eye having an iris of Claim 16, ~~further comprising wherein said altering of said eye comprises~~ performing an optical biopsy in accordance with information provided by an image of said plurality of iris biometric images.
18. (Currently amended) The method for performing a medical procedure on an eye having an iris of Claim 30 ~~[[1]]~~, wherein said eye has a feature further comprising measuring the size of said feature within said eye in accordance with information provided by an image of said plurality of iris biometric images.
19. (Previously presented) The method for performing a medical procedure on an eye having an iris of Claim 18, wherein said feature comprises a tumor.
20. (Currently amended) The method for performing a medical procedure on an eye having an iris of Claim 30 ~~[[1]]~~, further comprising performing a diagnosis on said eye in accordance with information provided by an image of said plurality of iris biometric images.
21. (Currently amended) The method for performing a medical procedure on an eye having an iris of Claim 30 ~~[[1]]~~, further comprising:
 - (a) applying a first light beam and a superposition light beam to said eye;
 - (b) reflecting said first light beam and said superposition light beam from said eye to provide a reflected first light beam and a reflected superposition light beam; and
 - (c) superimposing said reflected first light beam and said reflected superposition light beam to provide a composite image.

22. (Currently amended) The method for performing a medical procedure on an eye having an iris of Claim 21, further comprising performing said medical procedure in accordance with information provided by said composite image.
23. (Currently amended) The method for performing a medical procedure on an eye having an iris of Claim 30 [[1]], further comprising orienting said eye in accordance with information provided by an image of said plurality of iris biometric images.
24. (Currently amended) The method for performing a medical procedure on an eye having an iris of Claim 30 [[1]], further comprising translating said eye within a coordinate system in accordance with information provided by an image of said plurality of iris biometric images.
25. (Currently amended) The method for performing a medical procedure on an eye having an iris of Claim 30 [[1]], further comprising correcting an aberration in accordance with information provided by an image of said plurality of iris biometric images.
26. (Currently amended) The method for performing a medical procedure on an eye having an iris of Claim 30 [[1]], further comprising determining tumor size information in accordance with information provided by an image of said plurality of iris biometric images.
27. (Currently amended) The method for performing a medical procedure on an eye having an iris of Claim 30 [[1]], further comprising identifying an individual in accordance with information provided by an image of said plurality of iris biometric image.
28. (Currently amended) The method for performing a medical procedure on an eye having an iris of Claim 18 [[1]], wherein said feature comprises a lesion.

Please add the following new claims 29-30.

29. (New) The method for performing a medical procedure on an eye having an iris of Claim 16, wherein said altering of said eye comprises performing photo coagulation.
30. (New) A method for performing a medical procedure on an eye having an iris and a plurality of differing eye tissue types, said tissue types having a corresponding plurality of differing light absorption properties, comprising:
 - (a) obtaining a plurality of differing iris biometric images in accordance with (i) a plurality of differing light frequencies which are selected to correspond to said light absorption properties and are separately applied to said eye;
 - (b) providing said iris biometric images and said tissue types with corresponding frequency information in accordance with interactions between said separately applied differing light frequencies and said differing tissue types;
 - (c) selecting differing tissue types for providing selected differing tissue types to perform said medical procedure on said selected differing tissue types;
 - (d) selecting frequencies of said separately applied differing frequencies in accordance with said corresponding frequency information of said selected differing tissue types to provide selected differing frequencies; and
 - (e) performing said medical procedure on said selected differing tissue types in accordance with said selected differing frequencies.